

Nevada
Environmental
Restoration
Project

DOE/NV--1214



Closure Report for Corrective Action Unit 537: Waste Sites, Nevada Test Site, Nevada

Controlled Copy No.: _____

Revision: 0

July 2007

Environmental Restoration
Project



U.S. Department of Energy
National Nuclear Security Administration
Nevada Site Office

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**CLOSURE REPORT FOR
CORRECTIVE ACTION UNIT 537:
WASTE SITES,
NEVADA TEST SITE, NEVADA**

**U.S. Department of Energy
National Nuclear Security Administration
Nevada Site Office
Las Vegas, Nevada**

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**CLOSURE REPORT FOR
CORRECTIVE ACTION UNIT 537:
WASTE SITES,
NEVADA TEST SITE, NEVADA**

Approved By: SIGNATURE APPROVED
Kevin J. Cabbie
Federal Sub-Project Director
Industrial Sites Sub-Project

Date: 07-10-2007

Approved By: SIGNATURE APPROVED
John B. Jones
Acting Federal Project Director
Environmental Restoration Project

Date: 07-10-2007

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ACRONYMS AND ABBREVIATIONS

ACM	asbestos-containing material
CAS	Corrective Action Site
CAU	Corrective Action Unit
CR	Closure Report
FFACO	<i>Federal Facility Agreement and Consent Order</i>
ft	foot (feet)
NNSA/NSO	U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office
NTS	Nevada Test Site
SCWP	Sectored Clean-up Work Plan
yd ³	cubic yard(s)

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EXECUTIVE SUMMARY

Corrective Action Unit (CAU) 537 is identified in the *Federal Facility Agreement and Consent Order* (FFACO) of 1996 as Waste Sites. CAU 537 is located in Areas 3 and 19 of the Nevada Test Site, approximately 65 miles northwest of Las Vegas, Nevada, and consists of the following two Corrective Action Sites (CASs):

- CAS 03-23-06, Bucket; Yellow Tagged Bags
- CAS 19-19-01, Trash Pit

CAU 537 closure activities were conducted in April 2007 according to the FFACO and Revision 3 of the *Sectorized Clean-up Work Plan for Housekeeping Category Waste Sites* (U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office [NNSA/NSO], 2003).

At CAS 03-23-06, closure activities included removal and disposal of a 15-foot (ft) by 15-ft by 8-ft tall wooden shed containing wood and metal debris and a 5-gallon plastic bucket containing deteriorated plastic bags with yellow radioactive contamination tape. The debris was transported to the Area 9 U10c Landfill for disposal after being screened for radiological contamination according to the *NV/YMP Radiological Control Manual* (NNSA/NSO, 2004).

At CAS 19-19-01, closure activities included segregation, removal, and disposal of non-friable, non-regulated asbestos-containing material (ACM) and construction debris. The ACM was determined to be non-friable by waste characterization samples collected prior to closure activities. The ACM was removed and double-bagged by licensed, trained asbestos workers and transported to the Area 9 U10c Landfill for disposal. Construction debris was transported in end-dump trucks to the Area 9 U10c Landfill for disposal.

Closure activities generated sanitary waste/construction debris and ACM. Waste generated during closure activities was appropriately managed and disposed. Waste characterization sample results are included as Appendix A of this report, and waste disposition documentation is included as Appendix B of this report.

Copies of the Sectorized Housekeeping Site Closure Verification Forms for CAS 03-23-06 and CAS 19-19-01 are included as Appendix C of this report. These forms include before and after photographs of the sites, descriptions and removal status of waste, and waste disposal information.

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1.0 INTRODUCTION

This Closure Report (CR) documents closure activities for Corrective Action Unit (CAU) 537, Waste Sites, according to the *Federal Facility Agreement and Consent Order* (FFACO) and Revision 3 of the *Sectored Clean-up Work Plan (SCWP) for Housekeeping Category Waste Sites* (U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office [NNSA/NSO], 2003). CAU 537 is located in Areas 3 and 19 of the Nevada Test Site (NTS) (Figure 1) and consists of the following two Corrective Action Sites (CASs):

- CAS 03-23-06, Bucket; Yellow Tagged Bags
- CAS 19-19-01, Trash Pit

1.1 PURPOSE

CAU 537, Waste Sites, was closed by characterizing and disposing of debris. The purpose of this CR is to summarize the completed closure activities, document appropriate waste disposal, and confirm that the closure standards were met.

1.2 SCOPE

At CAS 03-23-06, closure activities included removal and disposal of a 15-foot (ft) by 15-ft by 8-ft tall wooden shed containing wood and metal debris and a 5-gallon plastic bucket containing deteriorated plastic bags with yellow radioactive contamination tape.

At CAS 19-19-01, closure activities included segregation, removal, and disposal of non-friable, non-regulated asbestos-containing material (ACM) and construction debris.

1.3 CLOSURE REPORT CONTENTS

This CR includes the following sections:

- Section 1.0 - Introduction
- Section 2.0 - Closure Activities
- Section 3.0 - Waste Disposition
- Section 4.0 - Closure Verification Results
- Section 5.0 - Conclusions and Recommendations
- Section 6.0 - References
- Appendix A - Sample Analytical Results
- Appendix B - Waste Disposition Documentation
- Appendix C - Sectored Housekeeping Site Closure Verification Forms
- Library Distribution List

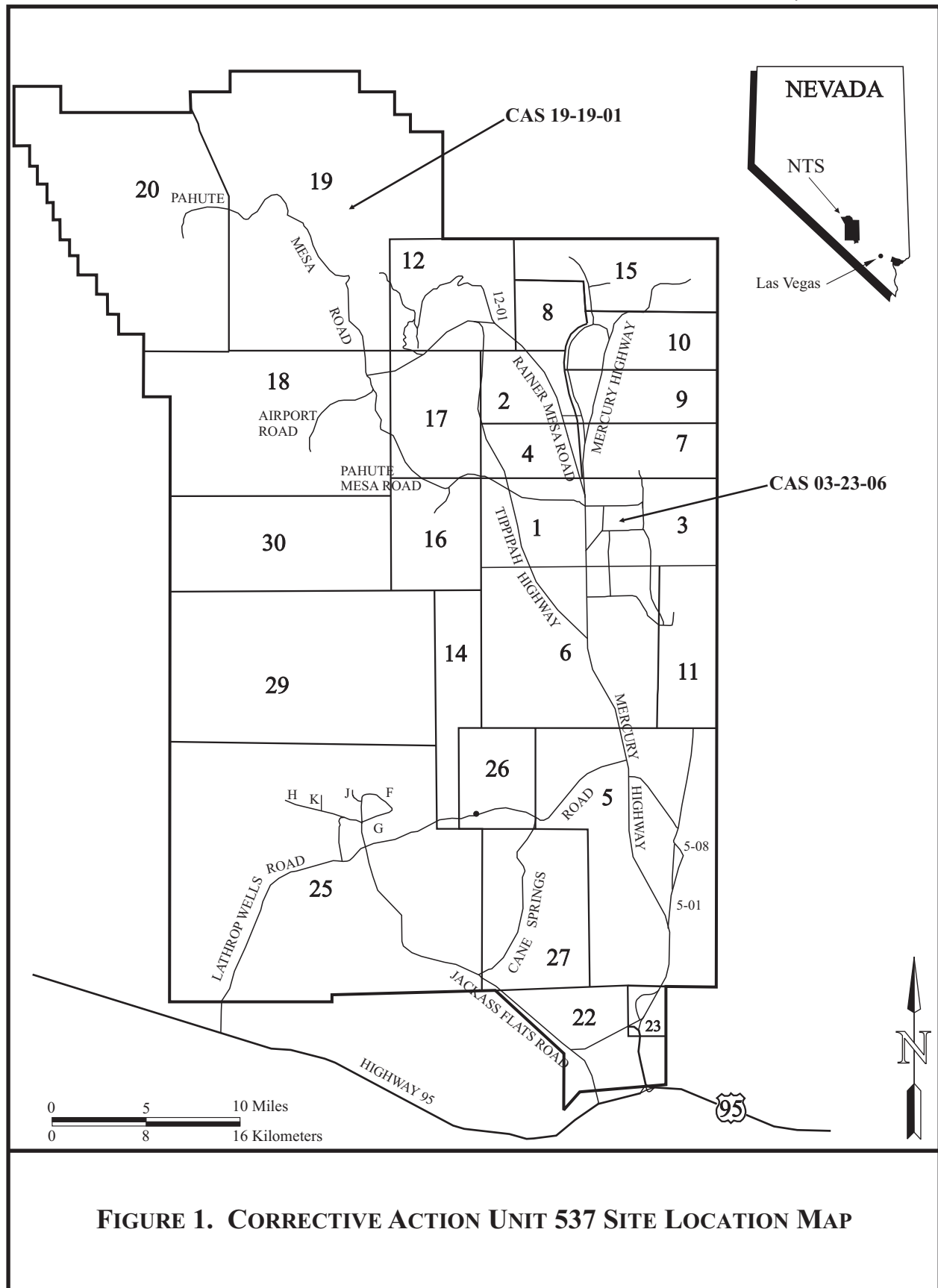


FIGURE 1. CORRECTIVE ACTION UNIT 537 SITE LOCATION MAP

2.0 CLOSURE ACTIVITIES

This section details the specific activities completed during the closure of CAU 537. Copies of the Sectorized Housekeeping Site Closure Verification Forms are included as Appendix C of this report. These forms include before and after photographs of the sites, descriptions and removal status of waste, and waste disposal information.

2.1 DESCRIPTION OF CORRECTIVE ACTION ACTIVITIES

Closure activities for CAU 168 were completed according to the SCWP (NNSA/NSO, 2003). The following sections detail the closure activities as completed.

2.1.1 Preplanning and Site Preparation

Prior to closure activities, the following documents were prepared:

- *National Environmental Policy Act* Checklist
- Site-Specific Health and Safety Plans
- Field Management Plan
- NNSA/NSO Real Estate/Operations Permits
- Work control packages

2.1.2 Closure Activities

The following sections detail the closure activities completed at each CAS.

2.1.2.1 Corrective Action Site 03-23-06, Bucket; Yellow Tagged Bags

This site consisted of a wooden shed located in the Core Complex in Area 3 of the NTS. The shed was approximately 15 feet (ft) by 15 ft by 8 ft tall, did not have a roof, and was approximately half full of debris. Debris in the shed included wood planks and boxes, metal screws and bolts, plastic items, and miscellaneous furniture items. There was also an abundance of tumbleweeds in the shed. In addition, a 5-gallon broken plastic bucket within the shed contained deteriorated plastic bags with yellow radioactive contamination tape.

The wooden shed and its contents were removed, and the debris was systematically screened for radiological contamination according to the *NV/YMP Radiological Control Manual* (NNSA/NSO, 2004). A total of approximately 30 cubic yards (yd³) of construction debris was removed and transported in end-dump trucks to the Area 9 U10c Landfill for disposal.

2.1.2.2 Corrective Action Site 19-19-01, Trash Pit

This site consisted of two trash pits located approximately 300 ft southwest of the U-19b1 crater in Area 19 of the NTS. Both trash pits were full of debris that had settled into gullies (pits) that had formed from the soft soil present. The debris in the south trash pit consisted of rusted aluminum cans, yellow rope, a non-friable asbestos blanket, cables, cloth tarps, glass bottles,

degraded cardboard boxes, and miscellaneous plastic, rubber, metal, and wood pieces. The debris in the north trash pit consisted of rusted aluminum cans, yellow rope, a non-friable asbestos blanket, corrugated metal, drill collar casings, rubber, cables, and wood crates, pallets, and spools.

The asbestos blanket was determined to be non-friable by waste characterization samples collected prior to closure activities. These sample results are included in Appendix A of this report. A total of approximately 5 yd³ of ACM was segregated from non-ACM items and double-bagged by licensed, trained asbestos workers before transporting it in end-dump trucks to the Area 9 U10c Landfill for disposal. Remaining construction debris was then loaded directly into end-dump trucks and transported to the Area 9 U10c Landfill for disposal. A total of approximately 70 yd³ of non-ACM construction debris was removed from this site for disposal.

2.2 DEVIATIONS FROM THE CORRECTIVE ACTION PLAN AS APPROVED

This section is not applicable to CAU 537.

2.3 CORRECTIVE ACTION SCHEDULE AS COMPLETED

Closure activities were conducted in April 2007. Details of the schedule are provided in Table 2.

TABLE 1. CORRECTIVE ACTION UNIT 537 CLOSURE ACTIVITIES SCHEDULE

CORRECTIVE ACTION SITE	START DATE	END DATE
03-23-06, Bucket; Yellow Tagged Bags	April 17, 2007	April 17, 2007
19-19-01, Trash Pit	April 17, 2007	April 19, 2007

2.4 SITE PLAN/SURVEY PLAT

This section is not applicable to CAU 537.

3.0 WASTE DISPOSITION

This section describes the waste streams generated during closure activities and their final disposition. Waste streams included sanitary waste/construction debris and non-friable ACM. Waste disposition documentation is included as Appendix B of this report.

3.1 WASTE MINIMIZATION

Industry standard waste minimization practices were applied throughout the course of closure activities. These practices included:

- Radiological surveys to verify acceptance of construction debris to the Area 9 U10c Landfill
- Laboratory analysis to correctly characterize and segregate waste streams
- Size reduction of debris

3.2 WASTE STREAMS AND DISPOSAL

3.2.1 Sanitary Waste/Construction Debris

A total of approximately 100 yd³ of construction debris was generated during closure activities. Debris was determined to be sanitary waste based on process knowledge and radiological survey results. All sanitary waste was transported in end-dump trucks to the Area 9 U10c Landfill for disposal.

3.2.2 Asbestos-Containing Material

A total of approximately 5 yd³ of non-friable ACM was generated during closure activities. The ACM was double-bagged and transported to the Area 9 U10c Landfill for disposal.

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4.0 CLOSURE VERIFICATION RESULTS

None of the CASs in CAU 537 required verification sampling. Closure verification consisted of visual inspections of the sites to verify that the waste originally identified was no longer present and photographic documentation of the final site conditions. Copies of the Sector Housekeeping Site Closure Verification Forms for CAS 03-23-06 and CAS 19-19-01 are included as Appendix C of this report. These forms include before and after photographs of the sites, descriptions and removal status of waste, and waste disposal information.

4.1 DATA QUALITY ASSESSMENT

Accurate and defensible data were collected to verify that waste was properly characterized, managed, and disposed of during CAU 537 closure activities. Data were reviewed to ensure that samples were appropriately processed and analyzed, and that the results are valid. No anomalies were discovered in the data that would discredit any of the waste characterization sample results.

4.2 USE RESTRICTION

Use restrictions were not implemented for any of the CASs in CAU 537, and the future land use of any land related to CAU 537 is not restricted from any activity.

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5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

Closure activities at CAU 537 consisted of removal and disposal of non-friable ACM and construction debris. It was verified and documented that the waste originally identified at the sites was no longer present. Sectored Housekeeping Site Closure Verification Forms were completed and are included as Appendix C of this report.

5.2 RECOMMENDATIONS

Since closure activities for CAU 537 have been completed following Revision 3 of the SCWP (NNSA/NSO, 2003) as documented in this report, NNSA/NSO requests the following:

1. A Notice of Completion be provided by the Nevada Division of Environmental Protection to NNSA/NSO for the closure of CAU 537.
2. The transfer of CAU 168 from Appendix III to Appendix IV, Closed Corrective Action Units, of the FFACO (FFACO, 1996).

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6.0 REFERENCES

Federal Facility Agreement and Consent Order, 1996 (as amended). Agreed to by the state of Nevada, the U.S. Department of Energy, and the U.S. Department of Defense.

FFACO, see *Federal Facility Agreement and Consent Order*.

NNSA/NSO, see U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office

U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office, 2003. *Sectorized Clean-up Work Plan for Housekeeping Category Waste Sites*. DOE/NV--579-REV-3. Las Vegas, NV.

U.S. Department of Energy, Nevada Operations Office, 2004. *NV/YMP Radiological Control Manual*. DOE/NV/11718--079-REV 5. Las Vegas, NV.

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APPENDIX A

SAMPLE ANALYTICAL RESULTS

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ANALYTICAL LABORATORY
SERVICES REQUEST AND CHAIN OF CUSTODY RECORD

Page of

PROJECT / CLIENT INFORMATION

Project: Area 19: CAU 537

NSTec Org#: P280

Charge Number: 5B1B63H2

Send Report to: John W. Hess

Phone: 295-9362

Fax: 295-2198

M/S: NTS327

Phone: (702) 295-6216

Fax: (702) 295-2198

M/S: NTS 327

IH Project Lead: Jon Spezialetti

Turnaround () STANDARD (Results 10 Business Days After Receipt)

(Mark One) () THREE DAY (Results 3 Business Days After Receipt)

(x) RUSH (Results One Business Day After Receipt)

() Check if Lab Notified Prior to RUSH Samples

SAMPLE MANAGEMENT INFORMATION

Sample Delivery Group (SDG): 07-0019

Laboratory: Clayton-MI

IH or IH Technician Collecting Samples Jerrick

ADDITIONAL ANALYSIS NOTES OR COMMENTS:

SAMPLE ID/DESCRIPTION

Collection

DATE TIME

2-6-07 1130

MATRIX

Bulk

Volume/Area
(Liters, cc or cm³)

n/a

Sample Period
(Minutes)

n/a

Analysis Method (NIOSH or OSHA etc.)

NIOSH 9002, Asbestos by PLM

CUSTODY TRANSFER

Sampled/Relinquished (print)

Signature

DATE / TIME

Received by (print)

Signature

DATE / TIME

Christine Jerrick

2/6/07

Jan Cureton

2-7-07 1025

ANALYTICAL RESULTS

Date: 08-Feb-07

Client: NATIONAL SECURITY TECHNOLOGIES

Client Reference: Subcontract No. 53533/SDG 07-0019

Work Order No.: 07020254

Sample Type: Bulk

Date Sampled: 02/06/2007

Method Reference EPA/600/R-93/116

Date Received: 02/07/2007

Analyst: AJP

Date Analyzed: 02/08/2007

Lab ID	Sample Identification and Description ([Layer] and Morphology)	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)	Non-fibrous Materials (Type)
001A	IH-07-0158 (1) 100% Non-homogeneous Compressed Black Mineral mixture	None Detected	< 1% Cellulose fiber	Binder/Filler
002A	IH-07-0159 (1) 90% Non-homogeneous Non-compressed Off-White Fibers, Woven (2) 10% Non-homogeneous Non-compressed Off-White Fibers, Woven	90% Chrysotile None Detected	< 1% Cellulose fiber 90% Cellulose fiber	Binder/Filler Binder/Filler
		81% Total		
003A	IH-07-0160 (1) 100% Non-homogeneous Non-compressed Tan Fibers, Woven	None Detected	90% Cellulose fiber	Binder/Filler
004A	IH-07-0161 (1) 100% Non-homogeneous Non-compressed Tan Fibers, Woven	None Detected	90% Cellulose fiber	Binder/Filler
005A	IH-07-0162 (1) 100% Non-homogeneous Compressed White Other (specify) Other refers to styrofoam material.	None Detected	< 1% Cellulose fiber	Binder/Filler

APPENDIX B

WASTE DISPOSITION DOCUMENTATION

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NSTec
Form
FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06
Rev. 0
Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rollofs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Alissa Silva / Rob Baunert Phone Number: 7186 / 5682
Location / Origin: CAU 537 CAS 03-23-06 Area 3 WX-6-ETS

Waste Category: (check one) ☐ Commercial ☒ Industrial 195 4/18/07
Waste Type: ☒ NTS ☐ Putrescible ☒ FFACO-onsite ☐ WAC Exception
(check one) ☐ Non-Putrescible ☐ Asbestos Containing Material ☐ FFACO-offsite ☐ Historic DOE/NV
Pollution Prevention Category: (check one) ☒ Environmental management ☐ Defense Projects ☐ YMP
Pollution Prevention Category: (check one) ☒ Clean-Up ☐ Routine
Method of Characterization: (check one) ☒ Sampling & Analysis ☐ Process Knowledge ☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill: ☒ Paper ☒ Rocks / unaltered geologic materials ☐ Empty containers
☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☒ Rubber (excluding tires) ☒ Demolition debris
☒ Plastic ☒ Wire ☒ Cable ☒ Cloth ☐ Insulation (non-Asbestosform) ☐ Cement & concrete
☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses
☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above
☐ Hydrocarbons (contact SWO) ☐ Other _____ Ground Tanks

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above and prohibited and allowable waste items. I have contacted Property Management and have is approved for disposal in the landfill.

Print Name: Robert Baunert

Signature: _____ Date: 4/17/07

Note: "Food waste, office trash and animal carcasses do not require a radiological clear; must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (from scale or estimate): 5540 4-17-07
Signature of Certifier: _____

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.
☒ This container/load is exempt from survey due to process knowledge and origin.
☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE

DATE: 4-17-07

BN-0646 (09/95)

NSTec

08/23/06

Form

Rev. 0

FRM-0918

NTS LANDFILL LOAD VERIFICATION

Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rollofs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Alissa Silvers / Rob Baumer Phone Number: 7186/5682Location / Origin: Can 537 CAS 03/23/06 Area 3 WX-6 ETS

Waste Category: (check one) ☐ Commercial ☒ Industrial

Waste Type: ☒ NTS ☐ Putrescible ☒ FFACO-onsite ☐ WAC Exception
(check one) ☐ Non-Putrescible ☐ Asbestos Containing Material ☐ FFACO-offsite ☐ Historic DOE/NV

Pollution Prevention Category: (check one) ☒ Environmental management ☐ Defense Projects ☐ YMP

Pollution Prevention Category: (check one) ☒ Clean-Up ☐ Routine

Method of Characterization: (check one) ☒ Sampling & Analysis ☐ Process Knowledge ☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill: ☒ Paper ☒ Rocks / unaltered geologic materials ☐ Empty containers
☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☒ Rubber (excluding tires) ☒ Demolition debris
☒ Plastic ☒ Wire ☒ Cable ☒ Cloth ☐ Insulation (non-Asbestosform) ☐ Cement & concrete
☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses
☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above
☐ Hydrocarbons (contact SWO) ☐ Other _____ Ground Tanks

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above and prohibited and allowable waste items. I have contacted Property Management and have is approved for disposal in the landfill.

Print Name: Robert BaumerSignature: _____ Date: 4/12/07

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. must have signed removal certification statement with Load Verification."

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.

☒ This container/load is exempt from survey due to process knowledge and origin.

☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE

DATE: 4-17-07
BN-0646 (09/99)

SWO USE ONLY

Load Weight (from scale or estimate): 7420 Signature of Certifier: 4-17-07

NSTec
Form
FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06
Rev. 0
Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rollofs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Alissa Silva / Rob Barnett Phone Number: 7186/5682
Location / Origin: Can 537 CHS A-B-01 Area 19 U-1961

Waste Category: (check one) ☐ Commercial ☒ Industrial
Waste Type: ☒ NTS ☐ Putrescible ☒ FFACO-onsite ☐ WAC Exception
(check one) ☐ Non-Putrescible ☐ Asbestos Containing Material ☐ FFACO-offsite ☐ Historic DOE/NV
Pollution Prevention Category: (check one) ☒ Environmental management ☐ Defense Projects ☐ YMP
Pollution Prevention Category: (check one) ☒ Clean-Up ☐ Routine
Method of Characterization: (check one) ☐ Sampling & Analysis ☒ Process Knowledge ☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill: ☒ Paper ☒ Rocks / unaltered geologic materials ☐ Empty containers
☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☒ Rubber (excluding tires) ☒ Demolition debris
☒ Plastic ☒ Wire ☒ Cable ☒ Cloth ☐ Insulation (non-Asbestosform) ☐ Cement & concrete
☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses
☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10C Landfill:
☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Decanned Underground and Above
☐ Hydrocarbons (contact SWO) ☐ Other _____ Ground Tanks

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐
☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Robert Barnett
Signature: _____ Date: 4/18/07
Note: "Food waste, office trash and animal carcasses do not require a radiological clearance statement with Load Verification."

SWO USE ONLY
Load Weight (fill from scale or estimate): 16340 4-19-07
Signature of Certifier: _____

Radiation Survey Release for Waste Disposal	
RCT Initials	
<input type="checkbox"/>	This container/load is free of external radioactive contamination.
<input checked="" type="checkbox"/>	This container/load is exempt from survey due to process knowledge and origin.
<input type="checkbox"/>	This container/load is free of radioactive contamination based on radioanalysis.
SIGNATURE: _____	
DATE: <u>4-18-07</u>	
BN-0046 (01/03)	

NSTec

Form

FRM-0918

Per Mike - Process Knowledge

08/23/06

Rev. 0

Page 1 of 2

NTS LANDFILL LOAD VERIFICATION

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rollofs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Mike Ruzic
Steve Nacht/Rob BaumertPhone Number: 557/5682Location / Origin: CAU 168 CAS 26-19-02 Area 26 SWD #2 CAU 537 CAS 19-19-01 Area 19 U19b1

Waste Category: (check one)

☐ Commercial☒ Industrial

Waste Type:

☒ NTS☐ Putrescible☒ FFACO-onsite☐ WAC Exception

(check one)

☐ Non-Putrescible☐ Asbestos Containing Material☐ FFACO-offsite☐ Historic DOE/NV

Pollution Prevention Category: (check one)

☒ Environmental management☐ Defense Projects☐ YMP

Pollution Prevention Category: (check one)

☒ Clean-Up☐ Routine

Method of Characterization: (check one)

☒ Sampling & Analysis☒ Process Knowledge ☐ Contents

Prohibited Waste at all three NTS landfills:

Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill:

Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☒ Paper☒ Rocks / unaltered geologic materials☐ Empty containers☐ Asphalt☒ Metal☒ Wood☒ Soil☒ Rubber (excluding tires)☒ Demolition debris☒ Plastic☒ Wire☒ Cable☒ Cloth☐ Insulation (non-Asbestosform)☐ Cement & concrete☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill:

☐ Office Waste☐ Food Waste☐ Animal Carcasses☐ Asbestos☐ Friable☐ Non-Friable (contact SWO if regulated load)

Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos☐ Drained automobiles and military vehicles☐ Solid fractions from sand/oil/water☐ Light ballasts (contact SWO)☐ Drained fuel filters (gas & diesel)☐ Deconned Underground and Above☐ Hydrocarbons (contact SWO)☐ Other _____

Ground Tanks

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐☐ Septic sludge☐ Rags☐ Drained fuel filters (gas & diesel)☐ Crushed non-teme plated oil filters☐ Plants☐ Soil☐ Sludge from sand/oil/water separators☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Robert Baumert

Signature: _____

Date: 1/18/07

Note: "Food waste, office trash and animal carcasses do not require a radiological cle must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 4900

Signature of Certifier: _____

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.☒ This container/load is exempt from survey due to process knowledge and origin.☐ This container/load is free of radioactive contamination.

SIGNATURE

DATE: 4-18-07
BN-0646 (03/95)

per mike - process knowledge
NTS LANDFILL LOAD VERIFICATION

08/23/06
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Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rollofs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Mike Kruzil
Dave Nacht/Rob Baumer

Phone Number: 5577/5682

Location / Origin: GALL 168 CAS 26-18-02 Area 28 CWD #2 CAU 537 CAS 19-19-01 Area 19 U19B1

Waste Category: (check one)

☐ Commercial

☒ Industrial

Waste Type: ☒ NTS

☐ Putrescible

☒ FFACO-onsite

☐ WAC Exception

(check one) ☐ Non-Putrescible

☐ Asbestos Containing Material

☐ FFACO-offsite

☐ Historic DOE/NV

Pollution Prevention Category: (check one)

☒ Environmental management

☐ Defense Projects

☐ YMP

Pollution Prevention Category: (check one)

☒ Clean-Up

☐ Routine

Method of Characterization: (check one)

☒ Sampling & Analysis

☒ Process Knowledge

☐ Contents

Prohibited Waste at all three
NTS landfills:

Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste
at the Area 9 U10C Landfill:

Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☒ Paper

☒ Rocks / unaltered geologic materials

☐ Empty containers

☐ Asphalt

☒ Metal

☒ Wood

☒ Soil

☒ Rubber (excluding tires)

☒ Demolition debris

☒ Plastic

☒ Wire

☒ Cable

☒ Cloth

☐ Insulation (non-Asbestosform)

☐ Cement & concrete

☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill:

☐ Office Waste

☐ Food Waste

☐ Animal Carcasses

☐ Asbestos

☐ Friable

☐ Non-Friable (contact SWO if regulated load)

Quantity:

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos

☐ Drained automobiles and military vehicles

☐ Solid fractions from sand/oil/water

☐ Light ballasts (contact SWO)

☐ Drained fuel filters (gas & diesel)

☐ Deconned Underground and Above
Ground Tanks

☐ Hydrocarbons (contact SWO)

☐ Other

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge

☐ Rags

☐ Drained fuel filters (gas & diesel)

☐ Crushed non-teme plated oil filters

☐ Plants

☐ Soil

☐ Sludge from sand/oil/water separators

☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Robert Baumer

Signature: _____

Date: 4/18/07

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. They must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 2505
Signature of Certifier: 4-18-07

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.

☒ This container/load is exempt from survey due to process knowledge and origin.

☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE

DATE: 4-18-07
BN-0646 (03/93)

NTS LANDFILL LOAD VERIFICATION

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rollofs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Mike Kovic / Rob Baumer Phone Number: 7396/5682

Location / Origin: CA 537 CAS 19-19-01 U1961

Waste Category: (check one)

☐ Commercial

☒ Industrial

Waste Type:

☒ NTS

☐ Putrescible

☒ FFACO-onsite

☐ WAC Exception

(check one)

☐ Non-Putrescible

☐ Asbestos Containing Material

☐ FFACO-offsite

☐ Historic DOE/NV

Pollution Prevention Category: (check one)

☒ Environmental management

☐ Defense Projects

☐ YMP

Pollution Prevention Category: (check one)

☒ Clean-Up

☐ Routine

Method of Characterization: (check one)

☐ Sampling & Analysis

☒ Process Knowledge

☐ Contents

Prohibited Waste at all three NTS landfills:

Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill:

Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☒ Paper

☒ Rocks / unaltered geologic materials

☐ Empty containers

☐ Asphalt

☒ Metal

☒ Wood

☒ Soil

☒ Rubber (excluding tires)

☒ Demolition debris

☒ Plastic

☒ Wire

☒ Cable

☒ Cloth

☐ Insulation (non-Asbestosform)

☐ Cement & concrete

☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill:

☐ Office Waste

☐ Food Waste

☐ Animal Carcasses

☐ Asbestos

☐ Friable

☐ Non-Friable (contact SWO if regulated load)

Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos

☐ Drained automobiles and military vehicles

☐ Solid fractions from sand/oil/water

☐ Light ballasts (contact SWO)

☐ Drained fuel filters (gas & diesel)

☐ Deconned Underground and Above

☐ Hydrocarbons (contact SWO)

☐ Other _____

Ground Tanks

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge

☐ Rags

☐ Drained fuel filters (gas & diesel)

☐ Crushed non-teme plated oil filters

☐ Plants

☐ Soil

☐ Sludge from sand/oil/water separators

☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above: prohibited and allowable waste items. I have contacted Property Management and he is approved for disposal in the landfill.

Print Name: Robert Baumer

Signature: _____

Date: 4/19/07

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. They must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 16900

Signature of Certifier: _____

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.

☒ This container/load is exempt from survey due to process knowledge and origin.

☐ This container/load is free of radioactive analysis.

SIGNATURE: _____

DATE: 4-19-07
DN-046 (03/05)

NSTec
Form
FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06
Rev. 0
Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rollofs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Mike Kozak / Rob Baunert Phone Number: 7396/5682

Location / Origin: CAN 537 CAS 19-19-01 U1961

Waste Category: (check one) ☐ Commercial ☒ Industrial
Waste Type: ☒ NTS ☐ Putrescible ☒ FFACO-onsite ☐ WAC Exception
(check one) ☐ Non-Putrescible ☐ Asbestos Containing Material ☐ FFACO-offsite ☐ Historic DOE/NV
Pollution Prevention Category: (check one) ☒ Environmental management ☐ Defense Projects ☐ YMP
Pollution Prevention Category: (check one) ☒ Clean-Up ☐ Routine
Method of Characterization: (check one) ☒ Sampling & Analysis ☒ Process Knowledge ☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill: ☒ Paper ☒ Rocks / unaltered geologic materials ☐ Empty containers
☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☒ Rubber (excluding tires) ☒ Demolition debris
☒ Plastic ☒ Wire ☒ Cable ☒ Cloth ☐ Insulation (non-Asbestosform) ☐ Cement & concrete
☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses
☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above
☐ Hydrocarbons (contact SWO) ☐ Other _____ Ground Tanks

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Robert Baunert

Signature: _____ Date: 4/19/07

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. They must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 12870 Signature of Certifier: _____

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.
☒ This container/load is exempt from survey due to process knowledge and origin.
☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNAT

DATE: 4/19/07
BN-0546 (0)

NTS LANDFILL LOAD VERIFICATION

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Rev. 0
Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rollofs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Mike Kuzie / Rob Baumer Phone Number: 7396/5682

Location / Origin: CAN 537 CAS 19-19-01 Area 19 U1961

Waste Category: (check one) ☐ Commercial ☒ Industrial
Waste Type: ☒ NTS ☐ Putrescible ☒ FFACO-onsite ☐ WAC Exception
(check one) ☐ Non-Putrescible ☐ Asbestos Containing Material ☐ FFACO-offsite ☐ Historic DOE/NV
Pollution Prevention Category: (check one) ☒ Environmental management ☐ Defense Projects ☐ YMP
Pollution Prevention Category: (check one) ☒ Clean-Up ☐ Routine
Method of Characterization: (check one) ☐ Sampling & Analysis ☒ Process Knowledge ☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill: ☒ Paper ☒ Rocks / unaltered geologic materials ☒ Empty containers
☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☒ Rubber (excluding tires) ☒ Demolition debris
☒ Plastic ☒ Wire ☒ Cable ☒ Cloth ☐ Insulation (non-Asbestosform) ☐ Cement & concrete
☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses
☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above
☐ Hydrocarbons (contact SWO) ☐ Other _____ Ground Tanks

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above prohibited and allowable waste items. I have contacted Property Management and h is approved for disposal in the landfill.

Print Name: Robert Baumer

Signature: [Signature] Date: 4/19/07

Note: "Food waste, office trash and animal carcasses do not require a radiological cle must have signed removal certification statement with Load Verification."

Radiation Survey Release for Waste Disposal	
RCT Initials	
<input type="checkbox"/>	This container/load is free of external radioactive contamination.
<input checked="" type="checkbox"/>	This container/load is exempt from survey due to process knowledge and origin.
<input type="checkbox"/>	This container/load is free of radioactive co
SIGNATURE	DATE: <u>4/19/07</u> BN-0646 (09/99)

SWO USE ONLY

Load Weight (net from scale or estimate): 12,000 Signature of Certifier: 4-24-07

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APPENDIX C

SECTORED HOUSEKEEPING SITE CLOSURE VERIFICATION FORMS

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Sectored Housekeeping Site Closure Verification Form

Closure Verification Date: 04/18/2007

CAU Number: 537

CAS Number: 03-23-06

CAS Description: Bucket; Yellow Tagged Bags

Sector Designation: NTS Sector E

Housekeeping Site General Location: Core/ETS Building

Northing: 4,100,546 m (UTM, Zone 11)

Easting: 585,013 m (UTM, Zone 11)

Latitude: 37.0491251

Longitude: -116.0439661

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Take Mercury Highway north to 3-03 Road. Turn right (east) on 3-03 Road and proceed approximately 0.04 mile to the access road to the Core Building/ETS area. Turn left (north) onto the access road and continue along the fence, past the Core Building to the ETS Building. The site is located within the fenced area, in a shed by the gate to the ETS Building.

Waste Item(s) Originally at Site	Apparent Waste Type*
Wooden shed, approximately 15 feet (ft) by 15 ft by 8 ft tall, containing debris including wood planks and boxes, metal screws and bolts, plastic items, miscellaneous furniture items, tumbleweeds, and a 5-gallon broken plastic bucket containing deteriorated plastic bags with yellow radioactive contamination tape.	Ordinary.

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other



Housekeeping Site Before Closure
(taken 11/01/2006)



Housekeeping Site After Closure
(taken 04/18/2007)

Current Site Description/Observations: The wooden shed and its contents (approximately 30 cubic yards) were removed and transported to the Area 9 U10c Landfill for disposal.

☒ **No Further Action Required at Housekeeping Site**

Michael R. Kruzic
Corrective Action Coordinator/Designee

SIGNATURE APPROVED
Signature

7-9-2007
Date

Sectored Housekeeping Site Closure Verification Form

Closure Verification Date: 04/19/2007

CAU Number: 537

CAS Number: 19-19-01

CAS Description: Trash Pit

Sector Designation: NTS Sector G

Housekeeping Site General Location: RSM 19 C 19

Northing: 4,129,623 m (UTM, Zone 11)

Easting: 562,249 m (UTM, Zone 11)

Latitude: 37.3130043

Longitude: -116.2975215

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Take Mercury Highway north to Pahute Mesa Road. Turn left (west) on Pahute Mesa Road and proceed to Dead Horse Flats Road. Turn right (east) on Dead Horse Flats Road and proceed 4.6 miles to Road "B." Turn right (east) on Road "B" and proceed approximately 0.1 mile to a dirt road. Turn left (north) on the dirt road and continue approximately 0.1 mile to the site on the right (east).

Waste Item(s) Originally at Site	Apparent Waste Type*
Two trash pits, one containing rusted aluminum cans, yellow rope, a non-friable asbestos blanket, cables, cloth tarps, glass bottles, degraded cardboard boxes, and miscellaneous plastic, rubber, metal, and wood pieces; and one containing rusted aluminum cans, yellow rope, a non-friable asbestos blanket, corrugated metal, drill collar casings, rubber, cables, and wood crates, pallets, and spools.	Ordinary.

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other



Housekeeping Site Before Closure
(North Trash Pit - taken 11/01/2006)



Housekeeping Site After Closure
(North Trash Pit - taken 04/19/2007)



Housekeeping Site Before Closure
(South Trash Pit - taken 11/01/2006)



Housekeeping Site After Closure
(South Trash Pit - taken 04/19/2007)

Current Site Description/Observations: Non-friable asbestos (approximately 5 cubic yards) and remaining construction debris (approximately 70 cubic yards) were transported to the Area 9 U10c Landfill for disposal.

 X **No Further Action Required at Housekeeping Site**

Michael R. Kruzic
Corrective Action Coordinator/Designee

SIGNATURE APPROVED
Signature

7-9-2007
Date

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